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Find the *Mettler Toledo / Rainin E12-200 EDP3* at our website: *Click HERE*

Quick Start Guide EDP®3

RAININ
Pipetting 360°

Basic Operation

Charge the battery for 15 minutes before 1st use

EDP3 supplied in "Basic" operation mode
- PIPET and MULTI modes switched on
- Advanced modes hidden – refer to manual

Pipet Mode



Touch any key to switch on

Press the MODE key until "PIPET" is displayed

"PICKUP" indicates ready for operation

Set volume with Up/Down arrows

Touch either trigger to aspirate

Touch either trigger to dispense

EDP3 dispenses sample through blowout

Ready for next pickup

Multidispense Mode



Touch any key to switch on

Press the MODE key until "MULTI" is displayed

"PICKUP" indicates ready for operation

Automatic control:
Set aliquot size (e.g. 50 µl) with Up/Down arrows
– EDP3 displays number of aliquots (e.g. 4x)
– EDP3 will pick up maximum sample volume

Manual control:
Set aliquot size with Up/Down arrow keys
– Set number of aliquots by pressing RESET
– Display flashes, Arrow key sets aliquot number
– Press RESET to save number of aliquots
– EDP3 picks up only volume necessary

Touch either trigger to aspirate sample

Touch either trigger to dispense one aliquot

Aliquot number counts down

When at zero, RESET flashes

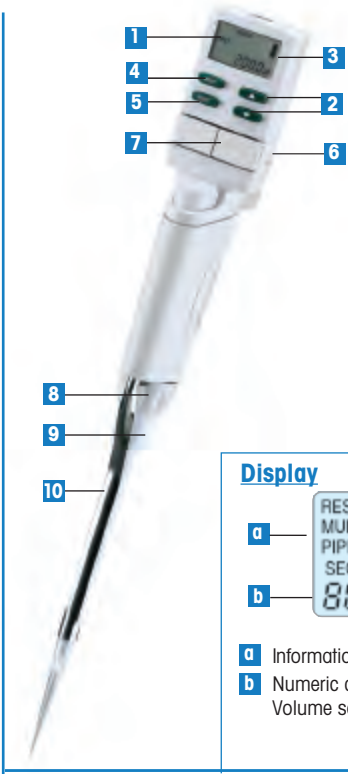


Press RESET button or double-click either trigger to dispense residual sample

Note: In Multi mode EDP3 aspirates an additional residual amount to ensure accuracy of all aiquots

Ready for next pickup

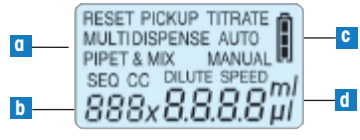
OVER



Controls and Indicators

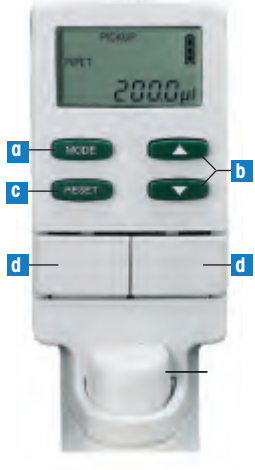
1. Display
2. ∇Δ keys (+/-)
3. Battery level Indicator
4. MODE key
5. RESET key
6. Battery compartment cover
7. Dual actuator triggers
8. Shaft coupling
9. Shaft
10. Tip ejector arm

Display



a Informational indicators
b Numeric counter (small digits)
Volume setting (large digits)
c Battery status
d Volume units

Keys



a MODE key:
Selects and scrolls through Modes
Selects Options (long press)
then scrolls Options

b Up/Down arrows:
Sets Volume, Switches Options On/Off
Sets Values for some options

c RESET key:
Resets the piston to the zero point (home position) ready to pick up sample

d Dual-actuator triggers:
Aspirate or dispense sample

e Tip ejector button

METTLER TOLEDO

Quick Start Guide EDP3 (cont'd)

Basic options in Pipet & Multi Modes*

MODE	OPTIONS
PIPET	MIX, CC, SPEED
MULTI	AUTO, SPEED, SND

*Advanced options /modes described in EDP3 User Manual 9920-235

In PIPET or MULTI mode, get to Options by pressing and holding MODE key until display changes (about 1.5 seconds)
Scroll through options by pressing MODE key

Basic Options in Pipet Mode

Pipet & Mix



Press & hold MODE key to reach Options
Press the MODE key until "& MIX" is shown
Press ARROW key to turn MIX on and set volume to be mixed: 5 – 100% of nominal volume
Press RESET to save and exit Options
Set aspiration volume with ARROW keys
Aspirate desired volume
Press and hold trigger to dispense and mix sample in the tip
To stop mixing, release trigger, remove tip from sample
Or to dispense without mixing, tap the trigger

CC (Cycle Counter)



Press & hold MODE key to reach Options
Press the MODE key until "CC" is shown
Press ARROW key to turn CC on
Display shows incrementing cycles up to 999
After 999 , display rolls to 0
To start at a given number, press RESET then set desired number with arrow keys
Press RESET to save and exit Options

SPEED (Pipet and Multi Modes)



Press & hold MODE key to reach Options
Press the MODE key until "SPEED" is shown
Use ARROW keys to set speed
Press RESET to save and exit Options

Note:
EDP3 speed is factory-set to 10 for aqueous or similar samples*
Set slower speeds as desired (1-9) for viscous, foaming or shear-sensitive samples
*Large volume models are speed-limited to prevent fountaining
5000 µl: 8 10ML: 8 20ML: 6

Basic Options in Multi Mode

Autopace (multiple aliquots dispensed with 1 trigger press)
Press & hold MODE key to reach Options



Press the MODE key until "AUTO" is shown
Press ARROW key to turn AUTO on and set dispense interval (0.5 seconds to 25 secs in 0.1 sec increments)
Press RESET after time interval is set
Press trigger to pick up set volume
Press trigger once to dispense aliquots at the set time interval
Note: Pause by pressing a trigger – press again to resume

Sound



Press & hold MODE key to reach Options
Press the MODE key until "SND" is shown
Press ARROW key to adjust volume level or turn sound off
Press RESET to save and exit Options
Sound option is set in MULTI mode for all modes

Advanced Mode reached from Multi Mode

Dilute
Press & hold MODE key to reach hidden modes
Press the MODE key until "DILUTE" is shown



Press Arrow key to turn on
Press RESET then MODE key again
DILUTE, n1, and n1 volume will be shown
Press ARROW keys to set the diluent (n1) volume
Press RESET again



DILUTE, n2, and n2 volume will be shown
Press ARROW keys to set the sample (n2) volume
Press RESET when both volumes are set
Press either trigger to aspirate the diluent volume
Remove tip from diluent, press the trigger again to pick up a fixed volume of air
Place the tip in the sample and press a trigger to pick up the set volume of sample



Press the trigger again to dispense the diluent and sample together

For full operation information refer to EDP3 Manual, 9920-235

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